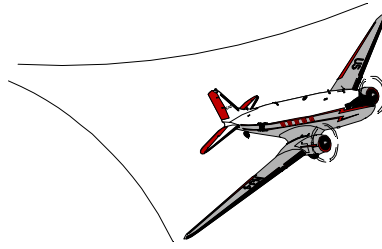


# SPECIAL AIRWORTHINESS INFORMATION BULLETIN

Aircraft Certification Service  
Washington, DC



U.S. Department  
of Transportation

**Federal Aviation  
Administration**

No. NE-02-01  
October 5, 2001

*We post SAIBs on the internet at "av-info.faa.gov"*

*This is information only. Recommendations are not mandatory.*

## Introduction

This Special Airworthiness Information Bulletin informs you, an owner or operator of Pratt & Whitney (PW) JT9D series turbofan engines and Principal Maintenance Inspectors, to the possible existence of nonconforming No.1 Fan Bearings not eligible for installation on a type certificated product.

## Affected Products

Pratt & Whitney JT9D-3A, -7, -7A, -7A(SP), -7AH, -7H, -7F, -7J, -20, -59A, -70A, -7Q, -7Q3

## Background

The FAA has received a report from MRC Bearings of certain No.1 bearings, listed in table 1, that have been remanufactured with inner race curvature and internal radial clearance outside of PW's Engine Manual limits. Based on technical information from MRC, **we determined there is no immediate safety concern for the JT9D No.1 bearings with the referenced installed bearings.** However, this out of limit No.1 Bearing configuration has not been certified or qualified for use on the JT9D. Therefore, you should not install these bearings on a *type certificated product*.

**MRC Remanufactured Bearings affect the following operators and repair stations:**

OPERATOR	REPAIR STATION
SABENA	VOLVO
UNITED AIRLINE	PRATT CHESHIRE
KOREAN AIR	LUFTHANSA IRELAND
JAL	AMECO BEIJING
ISRAEL AIR	GE WALES
CHINA AIR	
AIR CANADA	
IBERIA	

## Recommendations

The Engine Certification Office (ECO) advises you, an owner or operator, **not to install No.1 bearings listed in Table 1 and return those No.1 bearings to MRC Bearings.** We also recommend that for engines with installed No.1 bearings listed in Table 1, you should perform an initial chip collector inspection for fine wear debris along with flakes and chips and a repetitive chip collector inspection at 250 hours interval. We recommend operators follow the Chip Collector Inspection criteria and limits outlined in the PW JT9D Engine Manual. We also recommend continuing the chip collector inspection until the subject bearing has been removed and returned to MRC at the next shop visit not to exceed 7,500 engine-hours-since-installation.

## For Further Information, Contact

Jason Yang, FAA Engine and Propeller Directorate, Engine Certification Office, ANE-142, 12 New England Executive Park, Burlington, MA 01803-5299; phone: (781) 238-7747; email: jason.yang@faa.gov

**Table 1: MRC Remanufactured Bearings**

The following is the list of bearings subject to the action of this fleet management plan: (Please note that it is only these listed bearings that are affected by this fleet plan)

The part number for each serial number listed below is: 819095.

<u>Serial Number</u>	<u>Serial Number</u>
7543731287	5523890813
7543731156	552389672A
7543731197	552389130C
552389383A	7543730861
7543730728	552389521B
7543731228	7543731272
8031910144	7543731381
8031910140	7543731309
552389977A	8031910061
8031910049	7543730634
792190771B	7543730997
5523890627	0198
7543731274	7543731310
5523890920	7543730746
7543730919	7543730354
7921900869	552389517B
7543731379	792190189A
5523890810	552389102C
7543731099	552389312A
7543731217	8031910029
7543730660	7543731060
7543731402	552389888A
8031910063	7543731019
5523890474	7921900964
7543731165	552389138A
552389281A	552389301A
8031900052	7921901158
8091910038	7543731088
5523900144	552389444B
552389131C	C0180
552389554B	5523890269
5523890266	7543710393